Mean, Median and Mode

[Mode](http://www.onlinemathlearning.com/mode.html) is the most common value among the given observations. For example, a person who sells ice creams might want to know which flavor is the most popular.

[Median](http://www.onlinemathlearning.com/median.html) is the middle value, dividing the number of data into 2 halves. In other words, 50% of the observations is below the median and 50% of the observations is above the median.

[Mean](http://www.onlinemathlearning.com/mean.html) is the average of all the values. For example, a teacher may want to know the average marks of a test in his class.

The arithmetic mean, which is also called the average, is the most important and most commonly tested of these three mathematical concepts.

|  |  |
| --- | --- |
| (1)  8 , 9 , 2 , 12 , 12 , 10 , 14 , 14 , 5  Mean =  Mode =  Median = | (2)  7 , 9 , 8 , 2 , 12 , 9 , 4 , 9 , 10 , 15  Mean =  Mode =  Median = |
| (3)  If the mean (average) of the following five numbers is 23, what is X?  23, 27, X, 28, 16  A. 0  B. 21  C. 23  D. 28  E. 115 | (4)  If the average of four numbers is 22, and three of the numbers are 7, 11, and 18, then what is the fourth number? |